

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20050239432").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/20 11:49
S2	225	(digitis\$3 or digitiz\$3 or adc or a/d or (analog adj1 digital) or (analog\$1to\$1digital)) same (filter\$1bank\$1 or (bank near2 filter\$1)) same (fft or (fourier adj1 transform))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 13:19
S3	11	(digitis\$3 or digitiz\$3 or adc or a/d or (analog adj1 digital) or (analog\$1to\$1digital)) same (filter\$1bank\$1 or (bank near2 filter\$1)) same (fft or (fourier adj1 transform)) same (reconstruc\$3 or re\$1label\$3 or dc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 11:58
S4	11	(digitis\$3 or digitiz\$3 or adc or a/d or (analog adj1 digital) or (analog\$1to\$1digital)) same (filter\$1bank\$1 or (bank near2 filter\$1) or (frequency near2 decompisit\$3) or (channel near2 (divid\$3 or splitter))) same (fft or (fourier adj1 transform)) same (reconstruc\$3 or re\$1label\$3 or dc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 12:56
S5	14	(digitis\$3 or digitiz\$3 or adc or a/d or (analog adj1 digital) or (analog\$1to\$1digital)) same (sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or (frequency near2 (decompisit\$3 or divid\$3)) or (channel near2 (divid\$3 or splitt\$3))) same (fft or (fourier adj1 transform)) same (reconstruc\$3 or re\$1label\$3 or dc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 13:35
S6	19	(digitis\$3 or digitiz\$3 or adc or a/d or (analog adj1 digital) or (analog\$1to\$1digital)) same (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1)) same (fft or (fourier adj1 transform)) same (reconstruc\$3 or re\$1label\$3 or dc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 13:34

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S7	4	(digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital)) same (filter\$1bank\$1 or (bank near2 filter\$1)) same ((multi or multiple or several or plurality) near2 (fft\$1 or (fourier adj1 transform\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 13:24
S8	233	(digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital)) same ((multi or multiple or several or plurality) near3 ((frequency near3 shift\$3) or dc or re\$1label\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 13:26
S9	1	(digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital)) same ((multi or multiple or several or plurality) near3 ((frequency near3 shift\$3) or dc or re\$1label\$3)) same ((multi or multiple or several or plurality) near3(fft\$1 or (fourier adj1 transform\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 13:28
S10	5	(digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital)) same ((multi or multiple or several or plurality) near3 ((frequency near3 shift\$3) or dc or re\$1label\$3)) same ((fft\$1 or (fourier adj1 transform\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 13:31
S11	477	(digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital)) same (((frequency near3 shift\$3) or dc or re\$1label\$3)) same ((fft\$1 or (fourier adj1 transform\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 13:31
S12	463	(digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital)) same (((frequency near2 shift\$3) or dc or re\$1label\$3)) same ((fft\$1 or (fourier adj1 transform\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 13:31
S13	321	(digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital)) same (((frequency near2 shift\$3) or dc or re\$1label\$3)) same ((fft\$1 or (fourier adj1 transform\$1))) and @pd<= "20041229"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 13:33

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S14	268	(digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital)) same (((frequency near2 shift\$3) or dc or re\$1label\$3)) same ((fft\$1 or (fourier adj1 transform\$1))) and @pd<= "20031229"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 13:33
S15	81	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or (((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) and (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital)) same (((frequency near2 shift\$3) or dc or re\$1label\$3)) same ((fft\$1 or (fourier adj1 transform\$1))) and @pd<= "20031229"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 13:42
S16	83	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or (((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) and (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital)) same (((frequency near2 shift\$3) or dc or re\$1label\$3)) same ((fft\$1 or (fourier adj1 transform\$1))) and @pd<= "20031229"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 14:08
S17	1600	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or (((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) and (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital)) same ((fft\$1 or (fourier adj1 transform\$1))) and @pd<= "20031229"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 14:08

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S18	738	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or (((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) same (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital)) same ((fft\$1 or (fourier adj1 transform\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 14:09
S19	5	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or (((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) same ((multi or multiple or plurality or several or parallel) near3 (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) same ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 14:17
S20	1	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or (((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) same ((multi or multiple or plurality or several or parallel) near3 (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) same ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) and (signal near3 reconstruc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:05

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S21	2	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) same ((multi or multiple or plurality or several or parallel) near3 (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) same ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) and (reconstruc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 14:20
S22	6	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) and ((multi or multiple or plurality or several or parallel) near3 (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) same ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) and (reconstruc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 17:05
S23	7	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 (bin\$1 or band\$1)))) and ((multi or multiple or plurality or several or parallel) near3 (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) same ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) and (reconstruc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 14:25

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S24	41	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 (bin\$1 or band\$1)))) and ((multi or multiple or plurality or several or parallel) near3 (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) same ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) and (demodulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 14:33
S25	62	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 (bin\$1 or band\$1)))) and ((multi or multiple or plurality or several or parallel) near3 (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) same ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 14:40
S26	62	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 (bin\$1 or band\$1)))) and ((multi or multiple or plural\$3 or several or parallel) near3 (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) same ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 16:34

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S27	41	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 (bin\$1 or band\$1)))) and ((multi or multiple or plural\$3 or several or parallel) near3 (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) same ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) and (demodulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 15:49
S28	1	("20040131125").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/20 14:46
S29	1	("20030108127").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/20 14:46
S30	7	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 (bin\$1 or band\$1)))) and ((multi or multiple or plural\$3 or several or parallel) near3 (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) same ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) and ((multi or multiple or plurality or several or parallel) near3 baseband)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:05
S31	40	channelizer near4 baseband	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 16:12

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S32	2	(convert\$3 near3 (frequency adj2 lower adj2 frequency adj3 spectrum))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 16:13
S33	152	(decimat\$3 near3 (down\$1convert\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 16:24
S34	1	(upper adj1 frequency adj1 (band or limit)) same (lower adj1 frequency adj1 (band or limit)) same (sample adj1 rate) same inequality	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 16:50
S35	1	(upper adj1 frequency adj1 (band or limit)) same (lower adj1 frequency adj1 (band or limit)) same (sample adj1 rate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 16:51
S36	27	(upper adj1 frequency adj1 (band or limit)) same (lower adj1 frequency adj1 (band or limit)) same (sampl\$3 adj1 rate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 16:51
S37	130	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) and ((multi or multiple or plurality or several or parallel) near4 (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) and ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) and (reconstruc\$3 or demodulat\$3 or ifft)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/20 17:08
S38	1	("6442195").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/21 10:23
S39	1	("20050239432").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/21 14:54



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S40	1	("6442195").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/21 16:46
S41	1	("5550872").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/21 15:27
S42	25	(sub\$1band adj1 filter\$1) with fft\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 16:27
S43	1	(FREQUENCY ADJ1 DOMAIN ADJ1 DEMOMULAT\$3) NEAR4 (ADVANTAGE\$1 OR BENEFIT\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 16:28
S44	600	(baseband near4 lower near2 frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:01
S45	1	("20030076899").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/21 17:05
S46	2	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) same ((multi or multiple or plurality or several or parallel) near3 (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) same ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) same (base\$1band\$1 or down\$1converter\$3 or (down adj1 convert\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:09

## EAST Search History

S47	8	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) and ((multi or multiple or plurality or several or parallel) near3 (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) same ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) same (base\$1band\$1 or down\$1converter\$3 or (down adj1 convert\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:25
S48	8	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) and ((multi or multiple or plurality or several or parallel) near3 (digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) same ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) same (base\$1band\$1 or down\$1converter\$3 or (down adj1 convert\$3) or if)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:15
S49	2	"20040131125"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:13

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S50	77	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) and ((multi or multiple or plurality or several or parallel) near3 (fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) same (base\$1band\$1 or down\$1converter\$3 or (down adj1 convert\$3) or if)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:23
S51	604	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) and ((fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) same (base\$1band\$1 or down\$1converter\$3 or (down adj1 convert\$3) or if) same (demodulat\$3 or decod\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:24
S52	71	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) and ((fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) adj6 (base\$1band\$1 or down\$1converter\$3 or (down adj1 convert\$3) or if) same (demodulat\$3 or decod\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:25

## EAST Search History

S53	13	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) same ((fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) adj6 (base\$1band\$1 or down\$1converter\$3 or (down adj1 convert\$3) or if) same (demodulat\$3 or decod\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:25
S54	1	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) same ((digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) adj7 ((fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) adj7 (base\$1band\$1 or down\$1converter\$3 or (down adj1 convert\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:26
S55	4	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) and ((digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) adj7 ((fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) adj7 (base\$1band\$1 or down\$1converter\$3 or (down adj1 convert\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:54

## EAST Search History

S56	40	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) and ((digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) same ((fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) adj7 (base\$1band\$1 or down\$1converter\$3 or (down adj1 convert\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:42
S57	47	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) same ((fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) adj7 (base\$1band\$1 or down\$1converter\$3 or (down adj1 convert\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:52
S58	1	("20030108127").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/21 17:47
S59	71	(sub\$1filter\$1 or filter\$1bank\$1 or (bank near2 filter\$1) or ((frequenc\$3 or channel\$1) near2 (decomposit\$3 or divid\$3 or split\$3) or (parallel near2 filter\$1)) or (sub\$1channel\$1 or sub\$1frequenc\$3 or (frequency near2 bin\$1))) same ((fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) near7 (base\$1band\$1 or down\$1converter\$3 or (down adj1 convert\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:52
S60	304	((digitis\$3 or digitiz\$3 or adc\$1 or a/d\$1 or (analog adj1 digital) or (analog\$1to\$1digital))) with ((fft\$1 or (fourier adj1 transform\$1) or (frequency adj1 domain))) with (base\$1band\$1 or down\$1converter\$3 or (down adj1 convert\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/07/21 17:54